

CLIMATOLOGICAL SUMMARY.

By Mr. P. C. DAY, Acting Chief, Climatological Division.

TEMPERATURE AND PRECIPITATION BY SECTIONS, JULY, 1908.

In the following table are given, for the various sections of the Climatological Service of the Weather Bureau, the average temperature and rainfall, the stations reporting the highest and lowest temperatures with dates of occurrence, the stations reporting greatest and least monthly precipitation, and other data, as indicated by the several headings.

The mean temperatures for each section, the highest and lowest temperatures, the average precipitation, and the greatest and least monthly amounts are found by using all trustworthy records available.

The mean departures from normal temperature and precipitation are based only on records from stations that have ten or more years of observation. Of course the number of such records is smaller than the total number of stations.

Section.	Temperature—in degrees Fahrenheit.						Precipitation—in inches and hundredths.					
	Section average.	Departure from the normal.	Monthly extremes.				Section average.	Departure from the normal.	Greatest monthly.		Least monthly.	
			Station.	Highest.	Date.	Station.			Lowest.	Date.	Station.	Amount.
Alabama	79.8	- 0.2	Seima	108	17	Riverton	56	92	Highland Home	8.73	Talladega	1.70
Arizona	81.7	- 1.3	Fort Mohave	118	20	Valley Head	56	22	Prescott	8.80	Parker	T.
Arkansas	79.2	- 0.9	Batesville No. 1	103	16, 17	Williams	37	5	Fort Smith	5.95	Camden	0.97
California	76.4	+ 2.1	Russellville	103	17	Pond	48	4	Idyllwild	1.80	Many stations	0.00
Colorado	65.6	- 1.2	Orland	119	30	Tamarack	84	22	Stonewall	6.26	Glenwood Springs	T.
Florida	81.1	- 0.8	Shafts	119	31	Truckee	84	14	Fernandina	16.79	Sand Key	0.84
Georgia	79.8	- 0.3	Las Animas	106	5	Wagon Wheel Gap	20	4	St. Marys	13.28	Augusta	1.19
Hawaii	72.9	Grasmere	103	15, 17	Fanholloway	60	2	Honokane, Hawaii	24.16	7 stations	0.00
Idaho	68.9	+ 1.9	Brunswick	102	16	Clayton	69	11	Hotspring	1.76	American Falls	0.00
Illinois	75.4	- 0.2	Helena	102	18	Diamond	69	11	Chester	7.45	Martinton	1.24
Indiana	75.5	- 0.1	Kihei, Maui	92	19	Humuula, Hawaii	35	30	Connersville	6.30	Paoli	0.69
Iowa	73.0	- 0.4	Orofino	110	31	Forney	27	6	Alta (near)	9.21	Onkaloosa	0.70
Kansas	75.8	- 2.0	4 stations	100	4 d't's	Lanark	45	1, 8	Jewell	9.69	Sedan	1.08
Kentucky	76.9	- 0.4	Zelma	108	31	Kokomo	41	8	Alpha	8.92	Scott	1.69
Louisiana	80.8	- 0.8	Rockwell City	100	11	4 stations	42	7, 8	Franklin	29.28	Grand Cane	2.16
Maryland and Delaware	76.6	+ 1.2	Odeobal	100	29	Russell	41	7	Annapolis, Md.	9.58	College Park, Md.	1.42
Michigan	69.4	+ 1.0	Ashland	107	10	Shelby City	50	9, 13	Mackinac Island	7.10	Port Austin	0.60
Minnesota	69.4	+ 0.3	Beattyville	100	13	Minden	69	1	Winnebago	6.86	Crookston	0.88
Mississippi	80.2	- 0.6	Melville	102	14	Robeline	69	1	Biloxi	19.16	Booneville	1.84
Missouri	76.5	- 0.5	Monroe	102	16	Deer Park, Md.	38	18	Warrensburg	5.60	Mexico	1.10
Montana	67.5	+ 2.2	College Park, Md.	100	3 d't's	Rosecommon	84	16	Columbia Falls	8.29	3 stations	0.00
Nebraska	72.4	- 1.6	St. Peter	101	10	Bagley	33	7	Geneva	10.20	Nemaha	6.95
Nevada	74.7	+ 4.1	Duck Hill	108	15	Austin	60	1	Panaca	1.78	Soda Lake	0.00
New England*	71.6	+ 2.4	Princeton	101	18	Duck Hill	60	11	Norwalk, Conn.	6.90	Nantucket, Mass.	1.00
New Jersey	75.6	+ 1.5	Chinook	106	31	Louisiana	48	20	Clayton	8.12	Layton	1.97
New Mexico	70.8	- 1.6	Leavitt	104	29	Bowen	25	6	Winsors Ranch	8.23	Bloomfield	0.47
New York	71.1	+ 1.7	Jean	116	16	Fort Robinson	35	2	Addison	6.94	Scarsdale	1.21
North Carolina	77.2	- 0.1	Chestnut Hill, Mass.	101	12	Winnebago	35	31	Newbern	17.60	Saxon	2.73
North Dakota	68.6	+ 1.3	Browns Mills	106	12	3 stations	32	1, 16	Jamestown	8.00	Lakota	0.33
Ohio	73.9	+ 0.1	Deming	104	4	Greenville, Me.	34	17	Circleville	8.07	Cincinnati	0.88
Oklahoma	77.7	- 2.5	Ticonderoga	101	12	Browns Mills	42	9	Cache	10.84	Beaver	T.
Oregon	69.2	+ 3.3	Weldon	100	6	Layton	42	9, 17	Heppner	0.00	7 stations	0.00
Pennsylvania	73.9	+ 1.7	Kinston	100	18	Luna	33	1	Hanover	9.57	Renovo	2.15
Porto Rico	78.8	Napoleon	108	9	Paul Smiths	36	9	Maricao	14.21	Guanica Centrale	2.08
South Carolina	79.8	- 0.3	Philo	102	12	Banners Elk	45	10	Conway	11.15	Aiken	1.83
South Dakota	71.6	+ 0.1	Hooker	108	10	Langdon	81	7	Montrose	7.98	Kennebec	0.47
Tennessee	77.5	+ 0.2	Blalock	110	20	Garrettsville	42	9	Harriman	11.64	Brownsville	0.85
Texas	80.9	- 1.5	Dayville	110	31	Rome	42	9	Beaumont	13.41	Lilano	0.02
Utah	71.5	- 0.3	Marion	104	12	Arapaho	49	3	Modena	2.76	2 stations	T.
Virginia	75.8	+ 0.1	Yaucou	96	10, 19	Granite	27	26	Warsaw	9.81	Clarksville	2.66
Washington	68.7	+ 1.6	Blackville	100	31	Pocono Lake	89	17	Waterville	3.28	Goldendale	0.02
West Virginia	74.0	+ 0.4	Alexandria	107	10	5 stations	60	5 d't's	Valley Fork	9.48	Elkhorn	2.08
Wisconsin	70.4	+ 0.4	Covington	99	17	Liberty	60	10	Appleton Marsh	6.57	Menasha	0.58
Wyoming	64.3	- 0.1	Fort McIntosh	118	1	Spartanburg	60	10	Pine Bluff	4.91	Basin	0.00

* Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.

DESCRIPTION OF TABLES AND CHARTS.

By Mr. P. C. DAY, Acting Chief, Climatological Division.

For description of tables and charts see page 8 of REVIEW for January, 1908.

TABLE I.—Climatological data for U. S. Weather Bureau stations, July, 1908.

Table with columns for Stations, Elevation of instruments, Pressure, Temperature of the air, Precipitation, and Wind. Rows include various locations such as New England, Mid. Atlantic States, Fla. Atlantic States, East Gulf States, West Gulf States, Ohio Val. and Tenn., and Lower Lake Region.

TABLE I.—Climatological data for U. S. Weather Bureau stations, July, 1908—Continued.

Table with columns for Stations, Elevation of instruments, Pressure, in inches, Temperature of the air, in degrees Fahrenheit, Precipitation, in inches, and Wind. Rows include stations like Escanaba, Grand Haven, Grand Rapids, Houghton, Marquette, Port Huron, Sault Sainte Marie, Chicago, Milwaukee, Green Bay, Duluth, Moorhead, Bismarck, Devils Lake, Williston, Minneapolis, St. Paul, La Crosse, Madison, Charles City, Davenport, Des Moines, Dubuque, Keokuk, Cairo, La Salle, Peoria, Springfield, Ill., Hannibal, St. Louis, Columbia, Mo., Kansas City, Springfield, Mo., Iowa, Topeka, Lincoln, Omaha, Valentine, St. Louis City, Pierre, Huron, Yankton, Havre, Miles City, Helena, Kalispell, Rapid City, Cheyenne, Lander, Sheridan, Yellowstone Park, North Platte, Denver, Leadville, Pueblo, Concordia, Dodge, Wichita, Oklahoma, Abilene, Amarillo, Del Rio, Roswell, El Paso, Santa Fe, Flagstaff, Phoenix, Yuma, Independence, Reno, Tonopah, Winnemucca, Modena, Salt Lake City, Durango, Grand Junction, Baker City, Boise, Lewiston, Pocatello, Spokane, Walla Walla, Blaine, North Head, Port Crescent, Seattle, Tacoma.

TABLE III.—Data furnished by the Canadian Meteorological Service, July, 1908.

Table with 2 columns of stations and 15 columns of weather data including pressure, temperature, and precipitation.

TABLE IV.—Heights of rivers referred to zeros of gages, July, 1908.

Table with 2 columns of stations and 16 columns of river height data including highest and lowest water levels and mean stage.

TABLE IV.—*Heights of rivers referred to zeros of gages—Continued.*

Stations.	Distance to mouth of river.	Flood stage on gage.	Highest water.		Lowest water.		Mean stage.	Monthly range.	Stations.	Distance to mouth of river.	Flood stage on gage.	Highest water.		Lowest water.		Mean stage.	Monthly range.
			Height.	Date.	Height.	Date.						Height.	Date.	Height.	Date.		
<i>Mississippi River.</i>									<i>Black River.</i>								
Fort Ripley, Minn.	2,082	10	8.2	1	5.6	20	6.4	2.6	Kingstree, S. C.	45	12	6.4	2	0.0	30	8.4	6.4
St. Paul, Minn.	1,964	14	16.4	1	7.4	31	11.0	9.0	<i>Catawba-Waterlee River.</i>								
Red Wing, Minn.	1,914	14	11.6	1,2	5.1	31	8.0	6.5	Mount Holly, N. C.	148	15	7.0	5	1.8	1,21	2.5	5.2
Reeds Landing, Minn.	1,884	12	10.3	1,2	5.0	31	7.4	5.3	Catawba, S. C.	107	11	10.8	6	2.6	1	4.8	8.2
La Crosse, Wis.	1,819	12	11.7	4	6.5	31	9.4	5.2	Camden, S. C.	37	24	22.5	6	5.3	20	10.1	17.2
Prairie du Chien, Wis.	1,759	18	13.7	7,8	7.5	31	11.5	6.2	<i>Ongaree River.</i>								
Dubuque, Iowa.	1,699	18	14.9	19	8.5	31	12.9	6.4	Columbia, S. C.	52	15	8.2	6	0.9	14	2.5	7.3
Clinton, Iowa.	1,629	16	13.9	20	8.3	31	12.4	5.6	<i>Santee River.</i>								
Leclaire, Iowa.	1,609	10	8.6	20	4.7	31	7.5	3.9	Ferguson, S. C.	82	12	13.3	14	7.7	24	11.5	5.6
Davenport, Iowa.	1,598	15	12.2	20,21	7.4	31	11.0	4.8	<i>Savannah River.</i>								
Muscataine, Iowa.	1,562	16	13.5	21,22	8.6	31	12.5	4.9	Calhoun Falls, S. C.	347	15	7.1	5	2.4	31	3.2	4.7
Gallatin, Iowa.	1,472	8	6.9	2	4.8	31	6.4	2.1	Augusta, Ga.	268	32	18.0	6	7.6	25,30	9.9	10.4
Keokuk, Iowa.	1,463	15	13.1	1	8.7	31	11.6	4.4	<i>Oconee River.</i>								
Warsaw, Ill.	1,458	18	16.2	1	11.9	31	14.6	4.3	Dublin, Ga.	79	30	6.4	12	0.2	28-31	2.3	6.2
Hannibal, Mo.	1,402	18	14.8	1,2	10.4	31	13.1	4.4	<i>Ocmulgee River.</i>								
Grafton, Ill.	1,306	23	20.0	5	13.3	31	16.6	6.7	Macon, Ga.	134	18	8.9	10	2.4	27	4.5	6.5
St. Louis, Mo.	1,264	30	31.5	4-6	19.7	31	25.8	11.8	Abbeville, Ga.	51	11	7.9	14	2.6	30	4.6	5.3
Chester, Ill.	1,189	30	27.4	1,7	17.6	31	22.5	9.8	<i>Flint River.</i>								
New Madrid, Mo.	1,008	34	28.7	1	19.2	31	23.8	9.5	Montezuma, Ga.	152	20	8.2	12	3.1	2	4.8	5.1
Memphis, Tenn.	848	33	28.2	1	17.4	31	22.9	10.8	Albany, Ga.	99	20	5.4	12,13	1.9	4,5	3.4	3.5
Helena, Ark.	767	42	37.0	1	22.2	31	30.0	14.8	Bainbridge, Ga.	22	22	9.0	14,15	6.3	4	7.7	2.7
Arkansas City, Ark.	635	42	45.5	1	25.9	31	36.7	19.6	<i>Chattahoochee River.</i>								
Greenville, Miss.	595	42	39.6	1	21.3	31	31.2	18.3	West Point, Ga.	174	20	4.7	7	2.3	29	3.1	2.4
Vicksburg, Miss.	474	45	45.7	1	25.6	31	38.0	20.1	Eufaula, Ala.	90	40	8.5	8,9	2.0	31	4.1	6.5
Natchez, Miss.	378	46	47.3	1	30.5	31	41.6	16.8	Alaga, Ala.	30	25	10.0	9	4.4	31	6.1	5.6
Baton Rouge, La.	240	35	39.0	1	26.0	31	34.8	13.0	<i>Oosa River.</i>								
Donaldsonville, La.	188	28	30.9	1	20.0	31	27.4	10.9	Bome, Ga.	266	30	5.6	7	1.2	23-30	2.1	4.4
New Orleans, La.	108	18	19.5	1,2	13.2	31	17.5	6.3	Gadsden, Ala.	162	22	5.6	8	1.1	29,30	2.2	4.5
<i>Atchafalaya River.</i>									<i>Alabama River.</i>								
Simmesport, La.	127	41	44.7	1,2	31.9	31	40.7	12.8	Montgomery, Ala.	323	35	5.4	10	1.6	26	2.6	3.8
Melville, La.	108	37	39.3	1,2	31.5	31	36.8	7.8	Selma, Ala.	246	35	6.3	11	2.0	4,21	3.2	4.3
<i>Hudson River.</i>									<i>Black Warrior River.</i>								
Troy, N. Y.	154	14	4.6	24	3.7	15	4.2	0.9	Tuscaloosa, Ala.	90	43	10.5	10	5.3	3,17,18	6.7	5.2
Albany, N. Y.	147	12	4.7	18	0.6	9	2.9	4.1	<i>Tombigbee River.</i>								
<i>Delaware River.</i>									<i>Columbus, Miss.</i>								
Hancock (E. Branch), N. Y.	287	12	3.9	24	2.6	13-19,21-24	2.9	1.3	Demopolla, Ala.	168	35	7.8	12	1.0	19	3.4	6.3
Hancock (W. Branch), N. Y.	287	10	3.3	3,4,26	2.5	2,15,21,23,24	2.8	0.8	<i>Pascagoula River.</i>								
Port Jervis, N. Y.	215	14	1.6	26	-0.6	19,23,24	-0.1	2.2	Merrill, Miss.	78	20	7.1	30	2.0	25	4.0	5.1
Phillipsburg, N. J.	146	26	3.3	26	0.3	18	1.0	3.0	<i>Peari River.</i>								
Trenton, N. J.	92	18	2.1	28	0.8	18-23	1.1	1.3	Columbia, Miss.	110	18	8.0	10	4.0	23-26	4.9	4.0
<i>North Branch Susquehanna.</i>									<i>Sabine River.</i>								
Binghamton, N. Y.	183	14	3.6	25	1.8	12-14, 18-21,23	2.0	1.8	Logansport, La.	315	25	5.2	1	2.0	22,23	8.4	3.2
Wilkes-Barre, Pa.	80	17	5.7	27	2.7	20-22	3.2	3.0	<i>Neches River.</i>								
<i>West Branch Susquehanna.</i>									<i>Beaumont, Tex.</i>								
Williamsport, Pa.	89	20	2.5	25	0.4	19	1.1	2.1	Trinity River.	320	25	25.5	22	6.5	15	15.5	19.0
<i>Susquehanna River.</i>									<i>Dallas, Tex.</i>								
Harrisburg, Pa.	69	17	3.1	26	1.0	21	1.7	2.1	Long Lake, Tex.	211	35	20.8	31	3.0	22	9.5	17.8
<i>Shenandoah River.</i>									<i>Liberty, Tex.</i>								
Riverton, Va.	58	22	0.9	27,28	-1.2	19-25	-0.7	2.1	Brasos River.	20	25	26.7	1	6.5	29	12.7	20.2
<i>Potomac River.</i>									<i>Waco, Tex.</i>								
Cumberland, Md.	290	8	3.8	28-31	1.9	8-24	2.3	1.9	Hempstead, Tex.	140	40	6.5	10	2.4	6	4.3	4.1
Harpers Ferry, W. Va.	172	18	3.8	29	-0.2	21,22	1.0	4.0	Booth, Tex.	61	39	6.7	30	5.2	23-26	5.9	1.5
<i>James River.</i>									<i>Colorado River.</i>								
Lynchburg, Va.	260	20	2.4	26	0.8	23,24	1.4	1.6	Austin, Tex.	214	18	5.1	11	1.8	31	2.7	3.8
Columbia, Va.	167	18	7.4	28	3.5	20,21	5.1	3.9	Columbus, Tex.	98	24	13.8	13	7.1	30,31	8.8	6.7
Richmond, Va.	111	10	1.8	28	-0.1	19,21,22	0.7	1.9	<i>Red River of the North.</i>								
<i>Dan River.</i>									<i>Moorhead, Minn.</i>								
Danville, Va.	55	8	1.3	29	0.0	1,2,24,27	0.5	1.3	Rio Grande.	284	26	12.7	1	10.0	25,26	11.0	2.7
<i>Roanoke River.</i>									<i>San Marcial, N. Mex.</i>								
Clarksville, Va.	196	12	2.2	7	0.2	22,23	0.9	2.0	El Paso, Tex.	1,233	11	11.5	18	9.0	23-25	9.6	2.5
Weldon, N. C.	129	30	13.0	8,31	10.1	22	11.1	2.9	Snake River.	1,030	14	12.0	23	8.1	19	9.8	3.9
<i>Tar River.</i>									<i>Lewiston, Idaho.</i>								
Greenville, N. C.	21	22	8.8	31	3.3	27	4.9	5.5	Riparis, Wash.	144	24	9.9	2-4	2.2	31	6.1	7.7
<i>Deep River.</i>									<i>Columbia River.</i>								
Moncure, N. C.	171	25	8.7	7	7.3	1	7.9	1.4	Wenatchee, Wash.	478	40	35.8	1	28.5	31	32.5	6.3
<i>Cape Fear River.</i>									<i>Umatilla, Ore.</i>								
Fayetteville, N. C.	112	38	14.4	31	3.0	19	5.9	11.4	The Dalles, Ore.	270	25	18.2	1	12.9	31	15.7	6.8
<i>Pedee River.</i>									<i>Willamette River.</i>								
Cheraw, S. C.	149	27	19.1	6	2.5	3,22	6.4	16.6	Albany, Ore.	118	20	3.0	1-3	1.5	28-31	2.1	1.5
Smiths Mills, S. C.	51	16	12.2	15,16	4.2	25	8.3	8.0	Portland, Ore.	12	15	18.1	1	11.0	31	14.5	7.1
<i>Lynch Creek.</i>									<i>Sacramento River.</i>								
Effingham, S. C.	35	12	7.5	12	3.1	24	4.5	4.4	Red Bluff, Cal.	265	28	1.9	1,2	0.8	30,31	1.4	1.1
									<i>Sacramento, Cal.</i>								
									Sacramento, Cal.								

* River gage washed away.

Figures indicate number of days missing.

Honolulu, T. H., latitude 21° 15' north, longitude 157° 51' west; barometer above sea, 33 feet; gravity correction, -0.057 inch, applied. July, 1908.

Day.	Pressure, in inches.*		Air temperature, degrees Fahrenheit.				Moisture.				Wind, in miles per hour.				Precipitation, inches.		Clouds.					
	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Maximum.	Minimum.	8 a. m.		8 p. m.		8 a. m.		8 p. m.		8 a. m.	8 p. m.	8 a. m.			8 p. m.		
							Wet.	Relative humidity.	Wet.	Relative humidity.	Direction.	Velocity.	Direction.	Velocity.			Amount.	Kind.	Direction, from.	Amount.	Kind.	Direction, from.
1	30.10	30.08	76.0	73.5	81	72	65.0	55	66.0	67	ne.	9	se.	4	0.00	0.00	9	S.-cu.	ne.	0	0	0
2	30.09	30.04	75.1	75.0	80	72	67.0	66	67.0	66	ne.	12	ne.	6	0.00	0.00	9	S.-cu.	e.	0	0	0
3	30.11	30.06	76.0	75.0	80	72	68.0	66	69.0	74	ne.	4	ne.	10	0.00	0.00	8	S.-cu.	e.	0	0	0
4	30.66	30.05	76.0	75.0	80	72	71.0	78	67.0	66	ne.	8	ne.	9	0.01	0.00	8	S.-cu.	ne.	0	0	0
5	30.04	30.07	76.0	75.5	81	71	70.0	74	68.0	68	ne.	4	e.	5	T.	0.00	9	S.-cu.	ne.	0	0	0
6	30.10	30.10	76.0	73.5	80	72	66.0	59	68.0	76	ne.	9	ne.	3	0.00	T.	9	S.-cu.	e.	0	0	0
7	30.10	30.05	75.0	63.0	79	69	66.0	62	68.0	95	ne.	8	ne.	6	0.00	0.02	9	S.-cu.	ne.	0	0	0
8	30.04	30.03	73.0	74.0	80	68	66.1	70	67.0	69	ne.	8	ne.	6	0.07	0.00	6	A.-cu.	e.	0	0	0
9	30.07	30.06	77.2	75.0	82	72	68.1	63	68.0	70	e.	13	e.	9	0.00	0.00	3	Cl.-s.	0?	0	0	0
10	30.06	30.04	77.0	75.0	80	73	69.0	67	68.0	70	e.	6	s.	3	0.00	0.00	4	Cl.-s.	w.	0	0	0
11	30.06	30.02	77.0	75.0	81	72	66.0	56	67.0	66	ne.	12	ne.	5	0.00	0.00	7	Cl.	w.	0	0	0
12	30.04	30.03	75.0	76.0	81	72	67.4	68	68.0	66	ne.	10	e.	9	0.00	0.00	2	Cu.	ne.	0	0	0
13	30.03	30.01	77.0	75.5	82	74	67.2	60	68.0	68	ne.	9	e.	17	0.00	0.00	9	S.-cu.	e.	0	0	0
14	30.02	30.03	78.0	77.0	82	74	67.0	56	69.0	67	e.	10	e.	6	0.00	0.00	1	Cl.-s.	0?	0	0	0
15	30.04	30.04	79.2	75.5	81	74	70.0	73	69.0	72	e.	8	e.	4	0.00	0.00	5	A.-s.	0?	0	0	0
16	30.08	30.07	76.0	75.0	82	74	67.0	62	67.0	66	e.	10	e.	3	0.00	0.00	1	S.-cu.	e.	0	0	0
17	30.07	30.08	76.0	76.0	81	73	65.6	67	65.5	57	ne.	16	e.	12	0.00	0.00	9	A.-cu.	e.	0	0	0
18	30.10	30.06	75.0	75.0	79	69	67.0	66	67.0	66	ne.	11	ne.	5	0.01	0.00	3	S.-cu.	e.	0	0	0
19	30.05	30.01	73.9	74.0	80	70	67.0	69	66.0	65	e.	8	ne.	8	0.00	T.	7	Cu.	ne.	0	0	0
20	30.04	30.04	73.0	74.0	81	71	66.1	62	67.0	69	e.	8	e.	4	0.00	0.00	8	S.-cu.	e.	0	0	0
21	30.08	30.07	78.0	75.0	82	71	68.0	60	69.0	74	ne.	5	ne.	16	0.00	0.00	1	A.-s.	0	0	0	0
22	30.11	30.08	80.0	76.0	84	72	70.1	61	69.0	70	e.	4	e.	8	0.00	0.00	4	Cu.	ne.	0	0	0
23	30.09	30.05	77.4	75.0	82	74	68.0	62	68.0	70	e.	9	e.	4	0.00	0.00	7	A.-cu.	e.	0	0	0
24	30.08	30.05	76.1	75.0	81	72	67.4	68	66.0	62	e.	3	e.	10	T.	0.00	8	S.-cu.	n.	0	0	0
25	30.05	30.02	77.0	75.0	81	71	67.1	59	68.0	70	ne.	14	e.	10	0.02	T.	2	Cl.-s.	w.	0	0	0
26	30.04	30.02	77.0	74.0	81	70	65.5	54	68.0	74	e.	13	e.	8	0.03	0.00	Few	Cu.	e.	0	0	0
27	30.04	30.02	79.0	76.0	81	73	70.0	64	69.0	70	ne.	6	ne.	5	0.00	0.00	3	Cl.-s.	sw.	0	0	0
28	30.03	29.98	76.0	76.0	82	72	69.6	72	68.0	66	ne.	8	ne.	10	0.00	0.00	2	Cu.	e.	0	0	0
29	29.99	29.95	77.9	75.5	82	71	68.3	62	68.0	68	e.	3	ne.	6	0.00	0.00	9	S.-cu.	e.	0	0	0
30	30.00	30.01	77.0	76.0	81	73	68.0	63	69.0	70	e.	7	ne.	10	T.	0.00	6	Cu.	e.	0	0	0
31	30.00	30.05	78.0	76.0	81	72	68.0	60	69.0	70	ne.	7	ne.	12	0.00	T.	2	Cu.	ne.	0	0	0
Mean	30.060	30.041	76.5	74.9	81.0	71.8	67.6	63.5	67.8	69.3	ne.	8.5	e.	7.5	0.14	0.02	6.5	Cu.	e.	4.4	S.	ne.

Observations are made at 8 a. m. and 8 p. m., local standard time, which is that of 157° 30' west, and is 5^m and 30^m slower than 75th meridian time. *Pressure values are reduced to sea level and standard gravity.

RAINFALL IN JAMAICA.

Thru the kindness of Mr. Maxwell Hall, meteorologist to the government of Jamaica and now in charge of the meteorological service of that island, we have received the following data:

Comparative table of rainfall.
[Based upon the average stations only.]
JULY, 1908.

Divisions.	Relative area.	Number of stations.	Rainfall.	
			1908.	Average.
			Inches.	Inches.
Northeastern division	25	21	4.03	6.55
Northern division	22	49	1.77	3.04
West-central division	26	19	7.90	8.08
Southern division	27	30	3.00	4.41
Means	100		4.17	5.52

The rainfall over the island for July, 1908, was below the average; therefore the forecast was verified. The greatest fall was 15.40 inches at Dailiston and Belleisle, in the west-central division; no rain fell at Success, in the northern division, and at three or four other stations practically nil was recorded.

At Georgetown, Grand Cayman, June, 1908, total fall, 2.64 inches, on 12 days; greatest fall, 0.61 inch, on June 24; July, 1908, total fall, 1.81 inch, on 9 days; greatest fall, 0.60 inch, on July 15.